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Fig. 1A

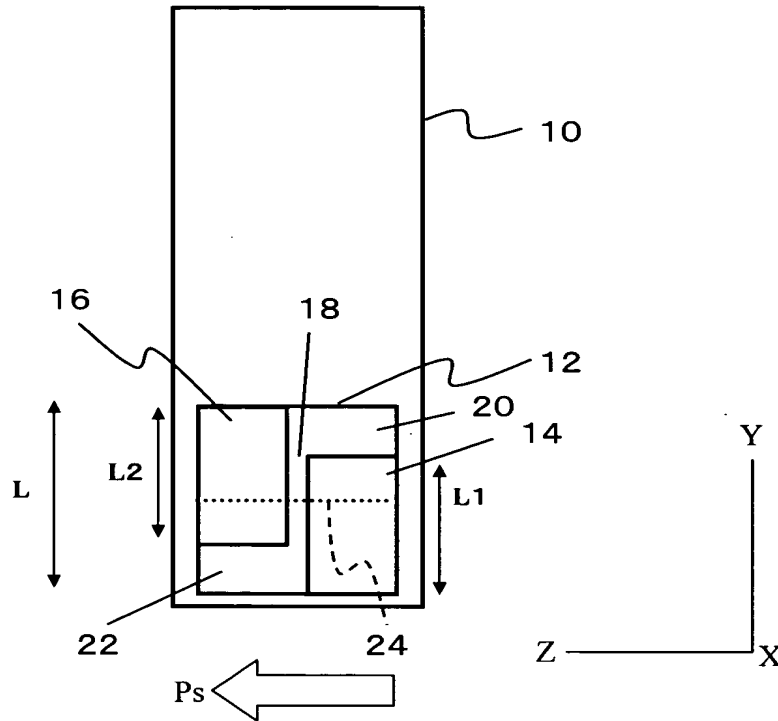


Fig. 1B

ACCELERATION APPLYING AXES		
Z AXIS	X AXIS	Y AXIS
<div> <div>16a</div> <div>24</div> <div>16b</div> <div>16</div> <div>14</div> <div>14b</div> <div>14a</div> </div> <div> <div>+V</div> <div>-V</div> <div>+V</div> <div>-V</div> </div>	<div> <div>+V</div> <div>+V</div> <div>-V</div> <div>-V</div> </div>	<div> <div>+V</div> <div>+V</div> <div>-V</div> <div>-V</div> </div>

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Fig. 2

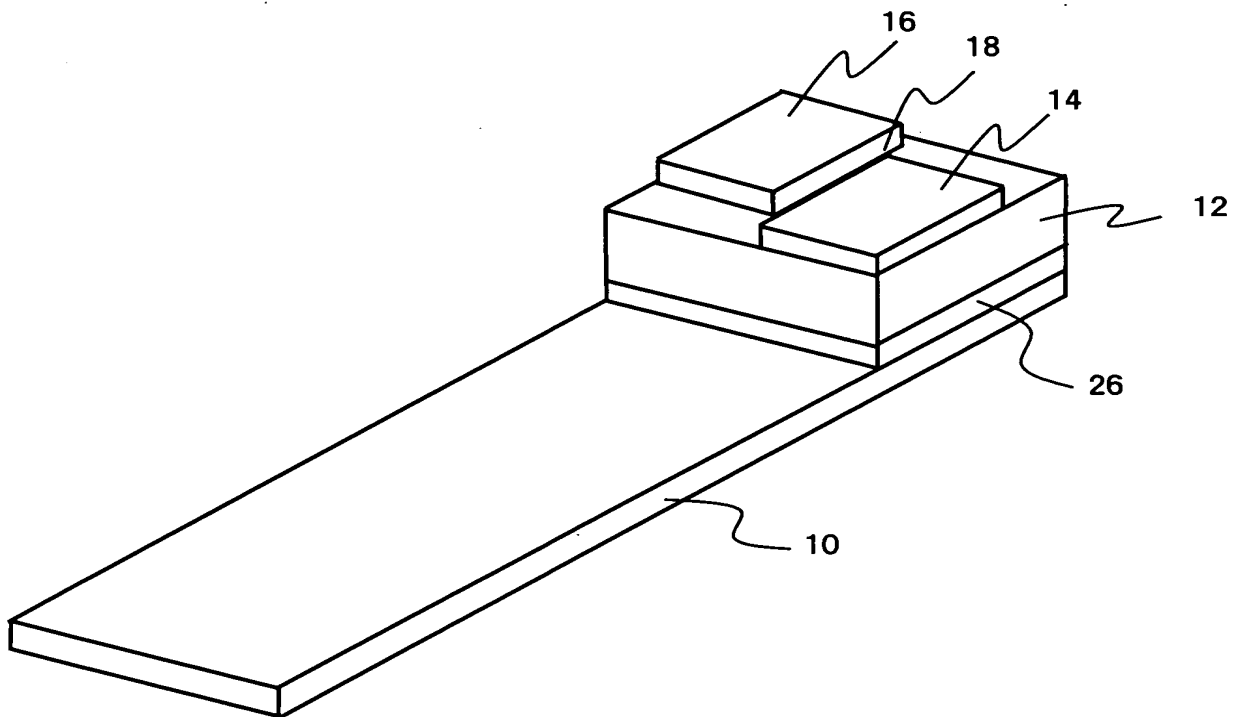
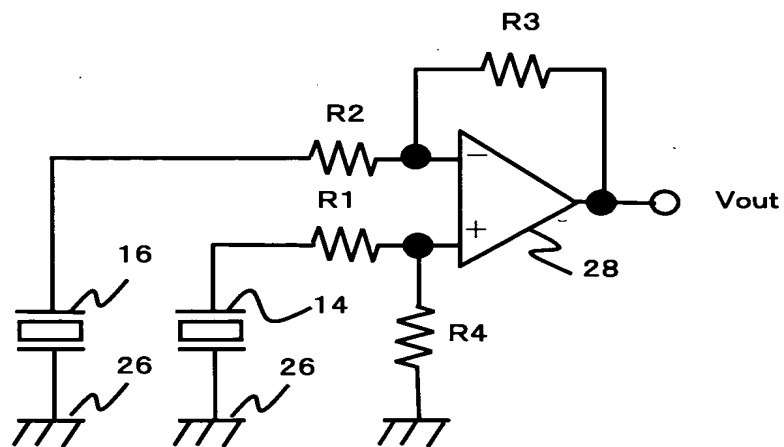


Fig. 3



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Fig. 4

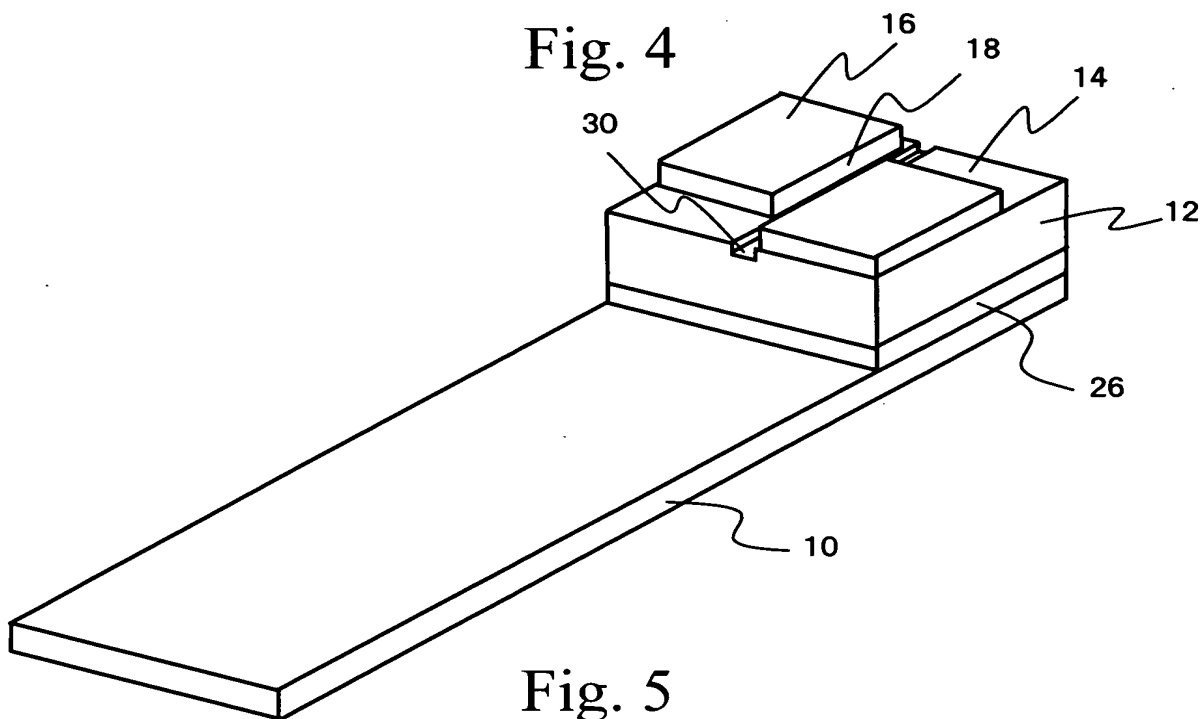
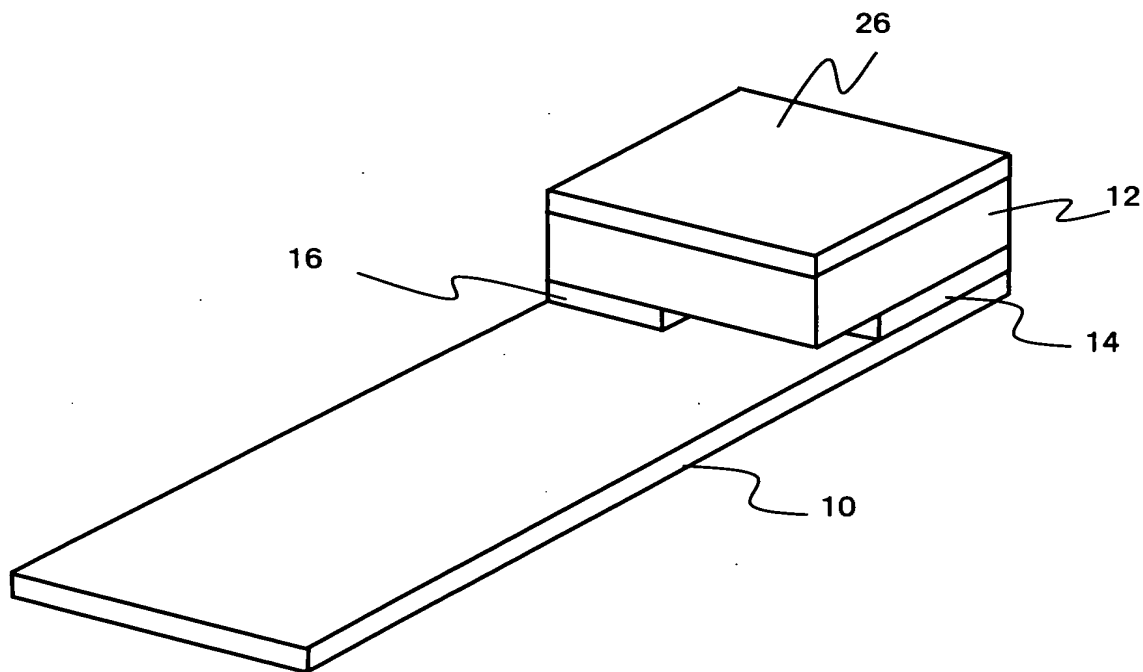


Fig. 5



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Fig. 6

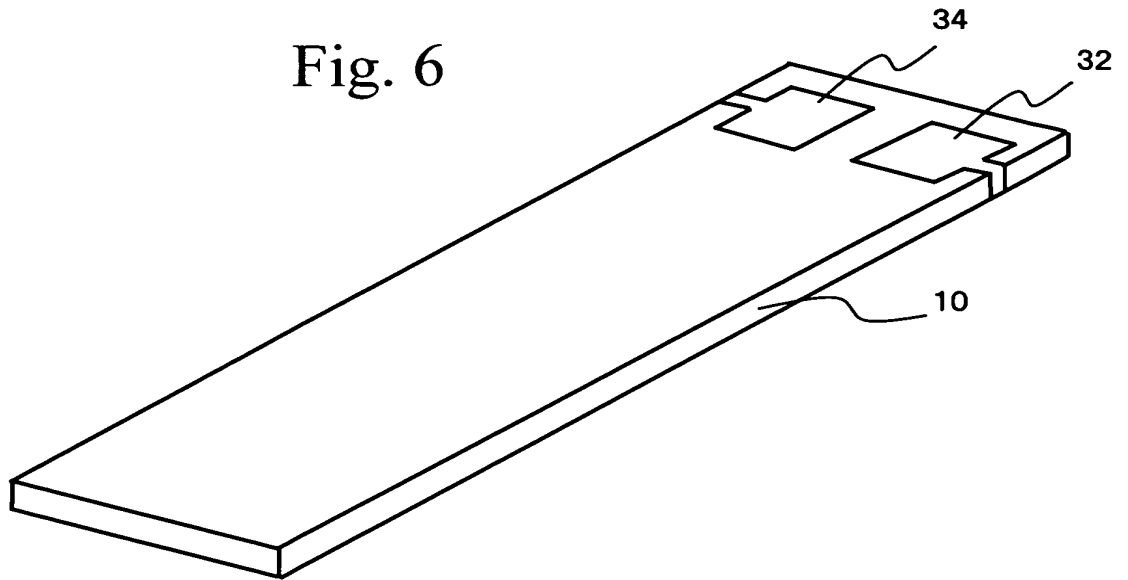
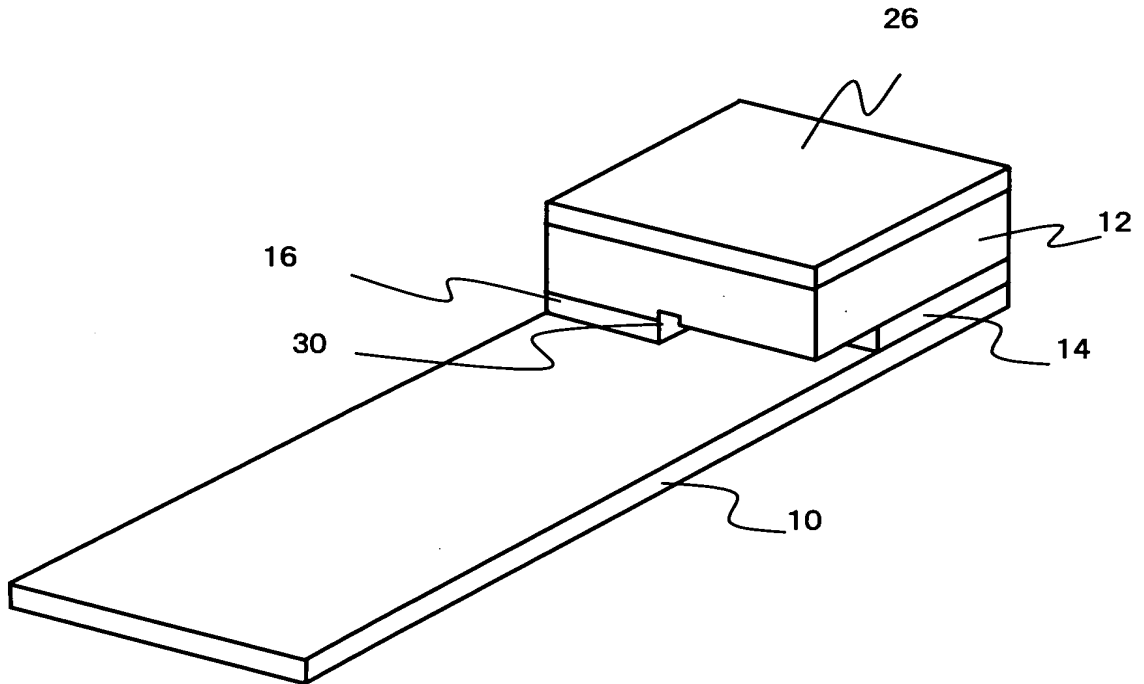


Fig. 7



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 Fig. 8A

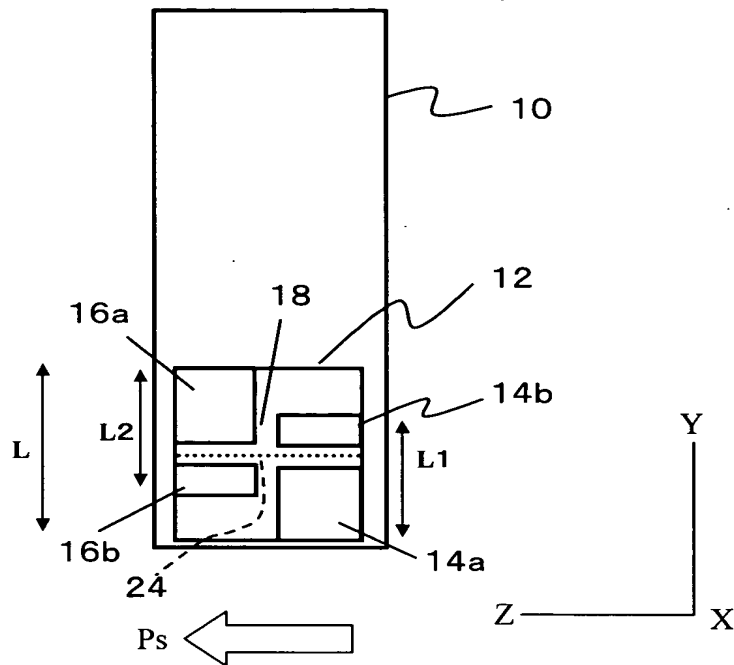


Fig. 8B

ACCELERATION APPLYING AXES		
Z AXIS	X AXIS	Y AXIS
<div> <div> <div>16a</div> <div>+V</div> </div> <div> <div>14b</div> <div>+V</div> </div> </div> <div> <div>16b</div> <div>-V</div> </div> <div> <div>14a</div> <div>-V</div> </div> <div>24</div>	<div> <div>+V</div> </div> <div> <div>-V</div> </div> <div> <div>+V</div> </div> <div> <div>-V</div> </div>	<div> <div>+V</div> </div> <div> <div>-V</div> </div> <div> <div>+V</div> </div> <div> <div>-V</div> </div>

Fig. 9A

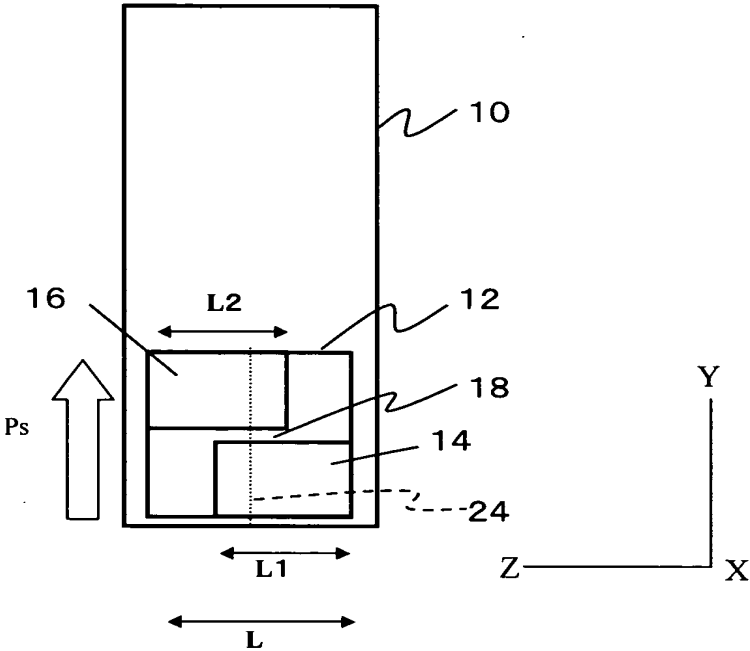


Fig. 9B

ACCELERATION APPLYING AXES		
Z AXIS	X AXIS	Y AXIS
<div><div><div>16a</div><div>+V</div></div><div><div>16b</div><div>-v</div></div></div> <div><div><div>+v</div><div>14b</div></div><div><div>-V</div><div>14a</div></div></div>	<div><div><div>+V</div><div>+v</div></div><div><div>-v</div><div>-V</div></div></div>	<div><div><div>+V</div><div>+v</div></div><div><div>-v</div><div>-V</div></div></div>

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Fig. 10

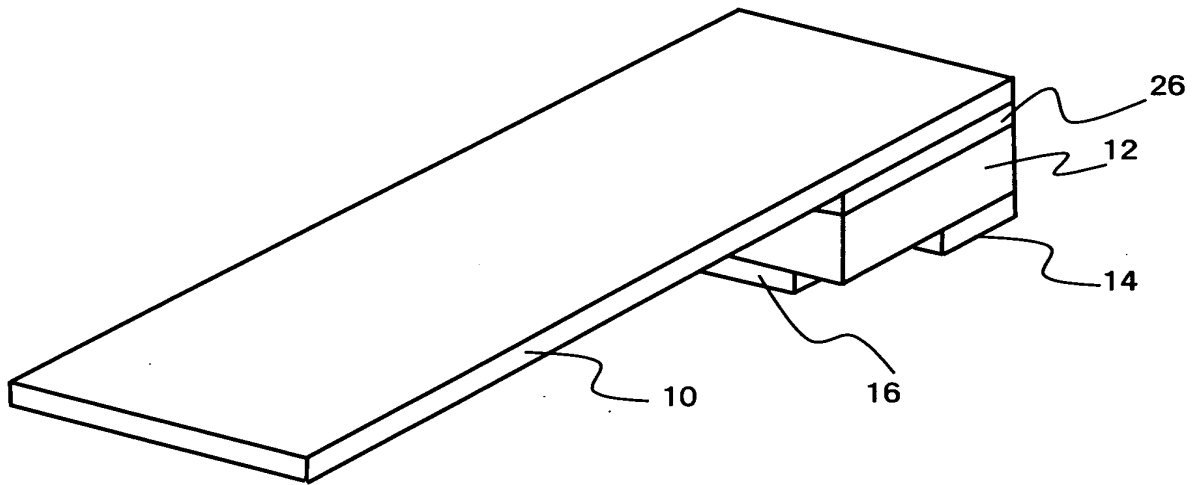
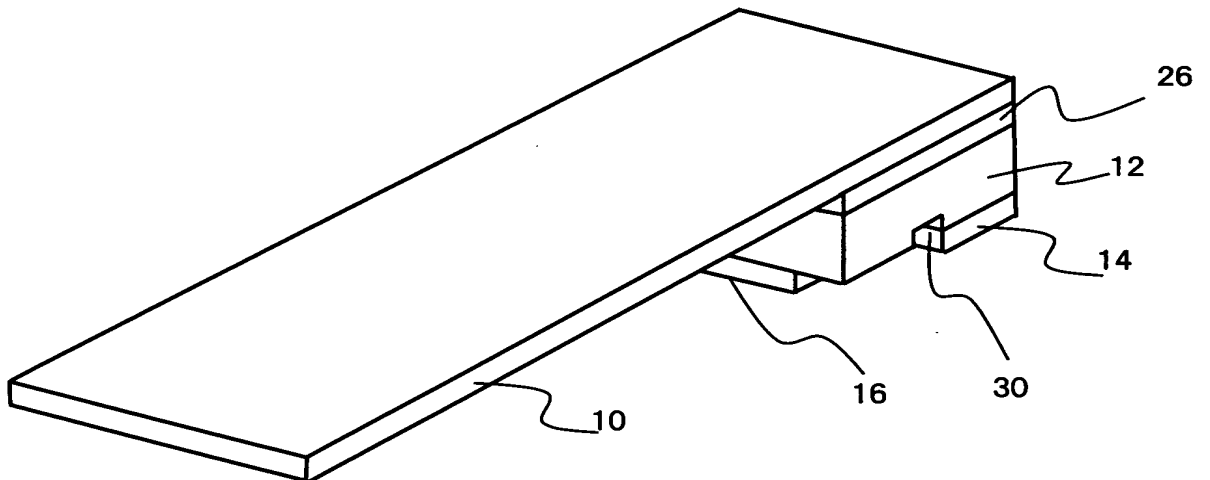


Fig. 11



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Fig. 12

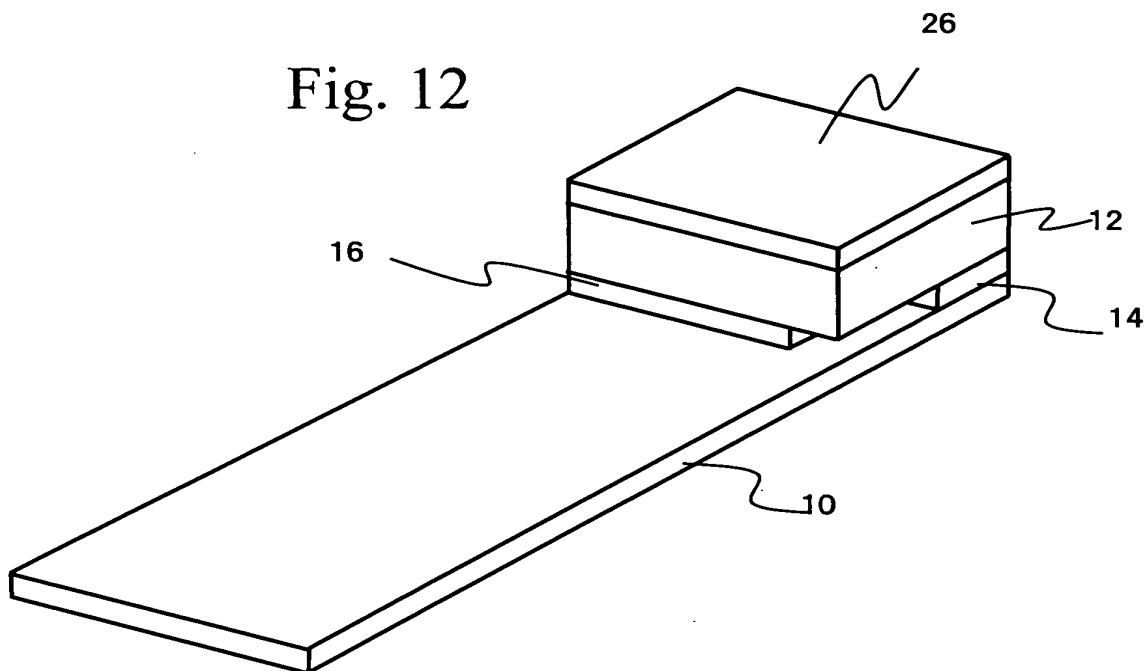
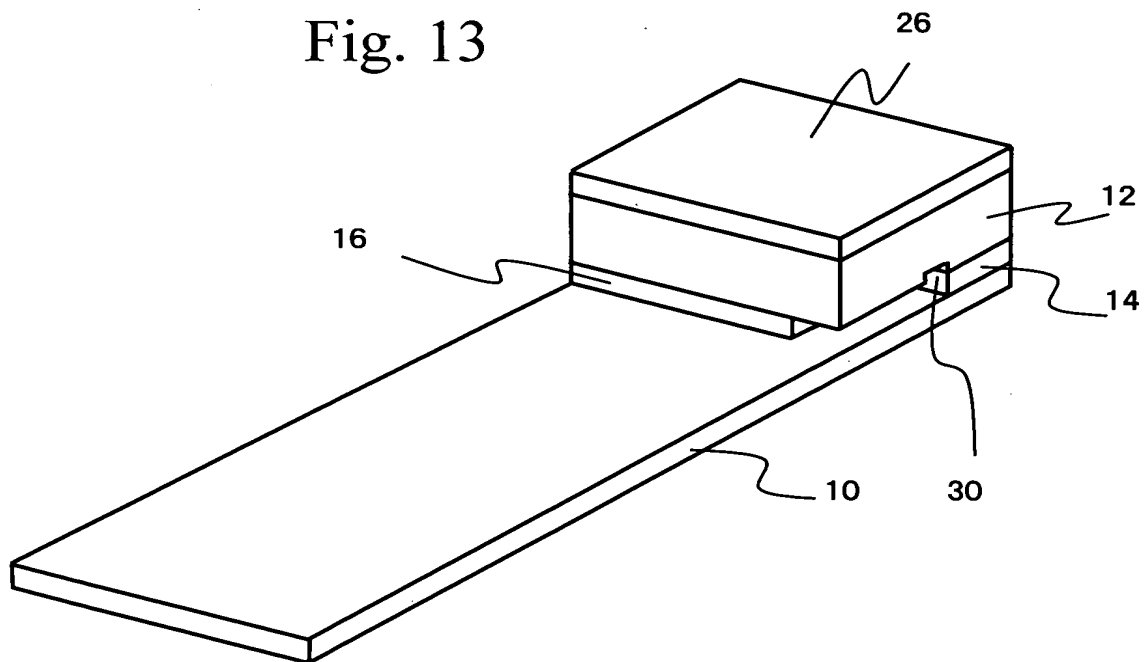


Fig. 13





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Fig. 14A

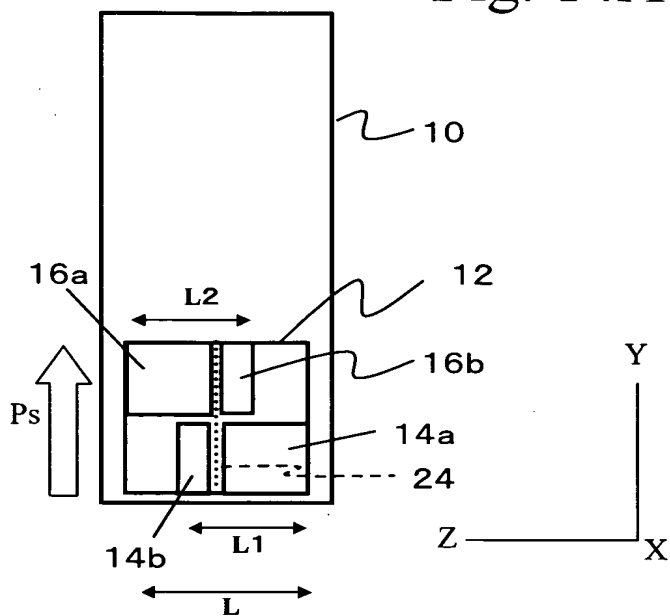
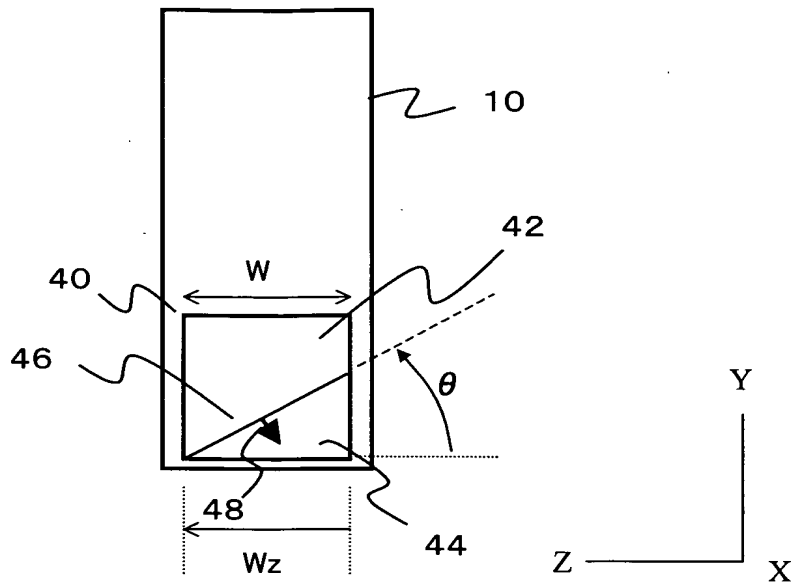


Fig. 14B

ACCELERATION APPLYING AXES		
Z AXIS	X AXIS	Y AXIS

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Fig. 15A



- $\theta$  : SEPARATION GROOVE ANGLE
- $W_z$  : SEPARATION GROOVE WIDTH
- $W$  : VIBRATOR WIDTH

Fig. 15B

ACCELERATION APPLYING AXES		
Z AXIS	X AXIS	Y AXIS

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Fig. 16A

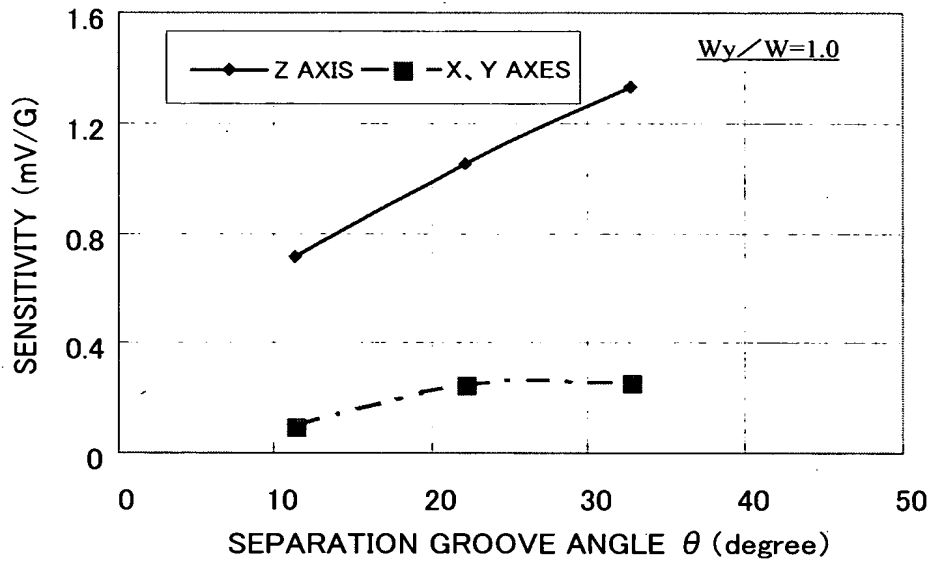
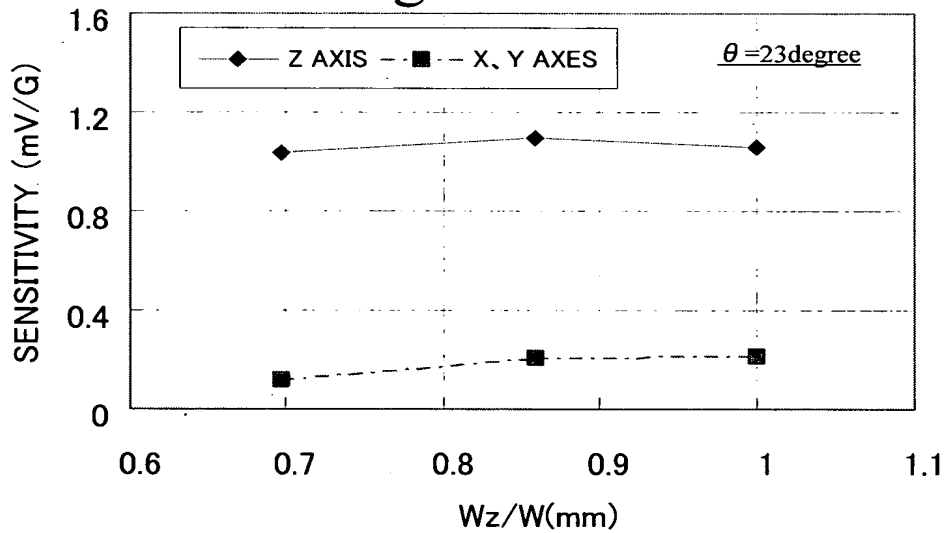
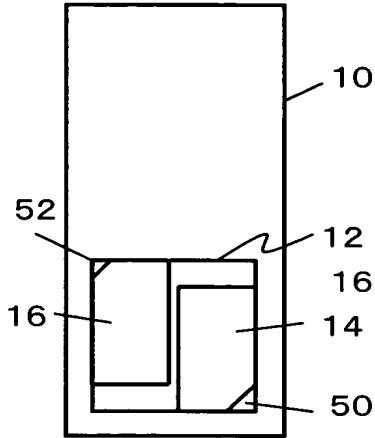


Fig. 16B



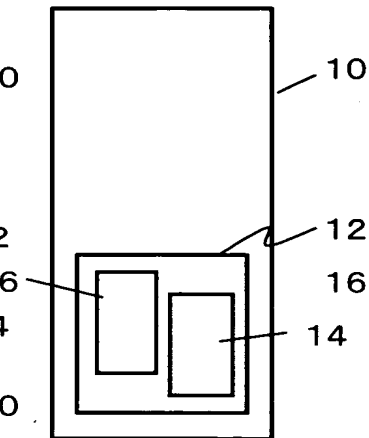
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Fig. 17A



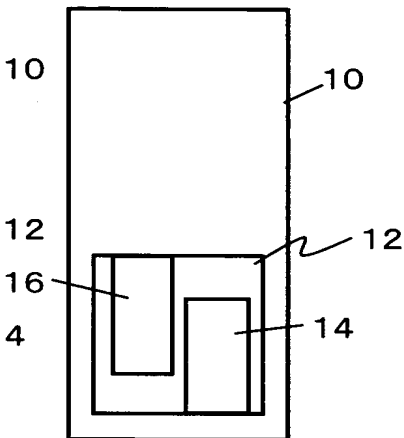
CUTTING OFF  
 CORNERS OF  
 ELECTRODES

Fig. 17B



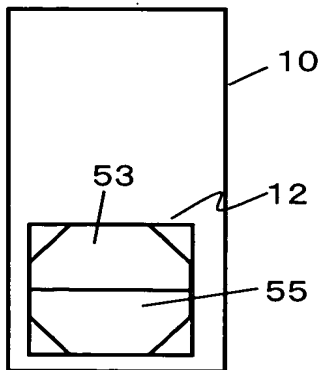
CUTTING OFF  
 SURROUNDINGS OF  
 ELECTRODES

Fig. 17C



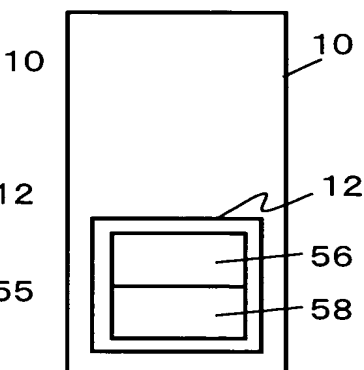
CUTTING OFF SIDES  
 OF ELECTRODES

Fig. 17D



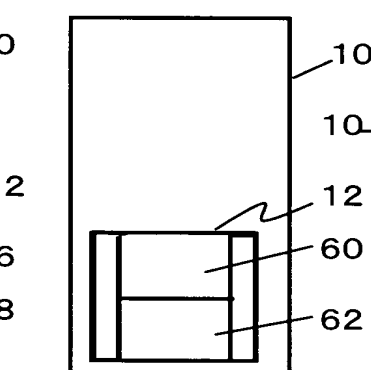
CUTTING OFF  
 CORNERS OF  
 ELECTRODES

Fig. 17E



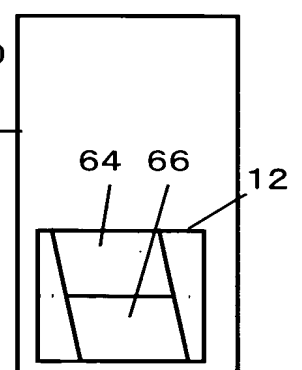
CUTTING OFF  
 SURROUNDINGS OF  
 ELECTRODES

Fig. 17F



CUTTING OFF SIDES  
 OF ELECTRODES

Fig. 17G



CUTTING OFF SIDES  
 OF ELECTRODES

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Fig. 18A

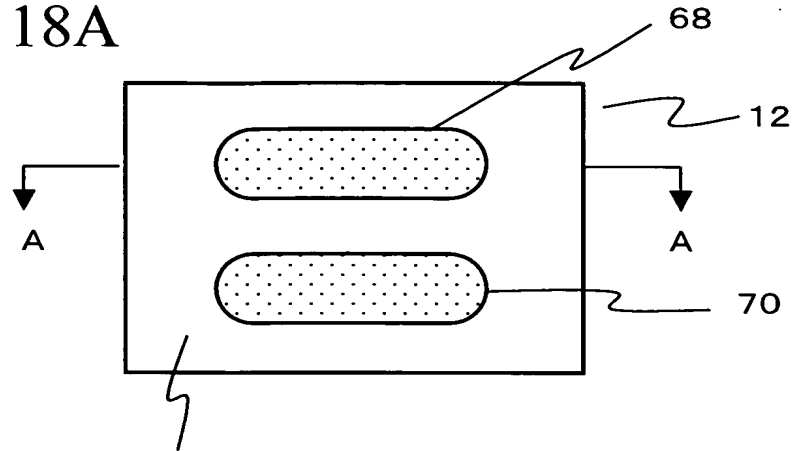


Fig. 18B

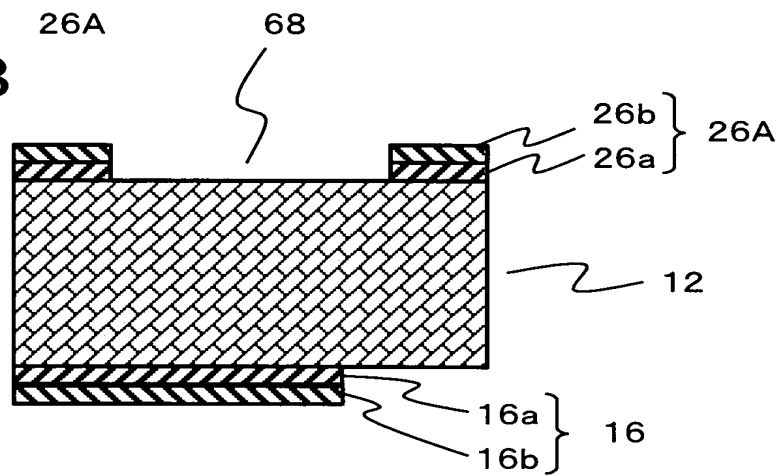
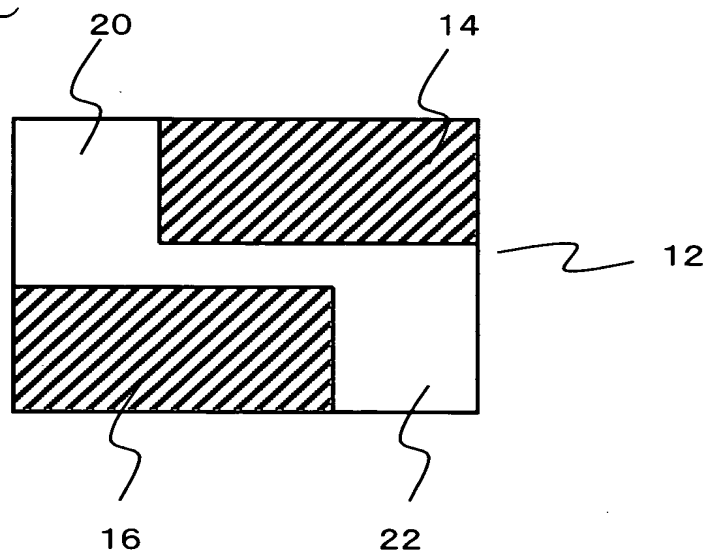


Fig. 18C



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Fig. 19A

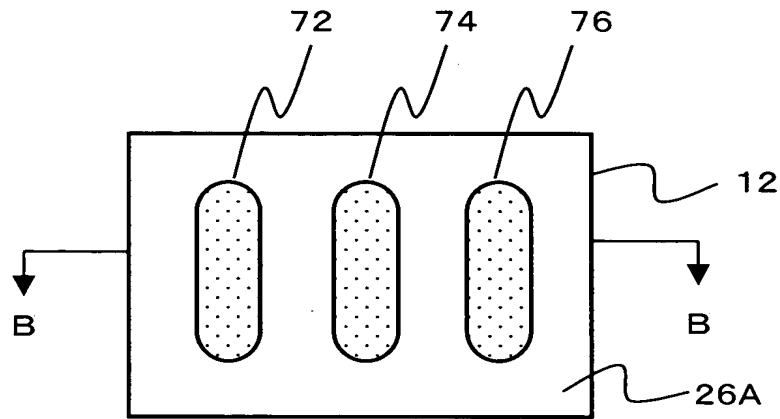
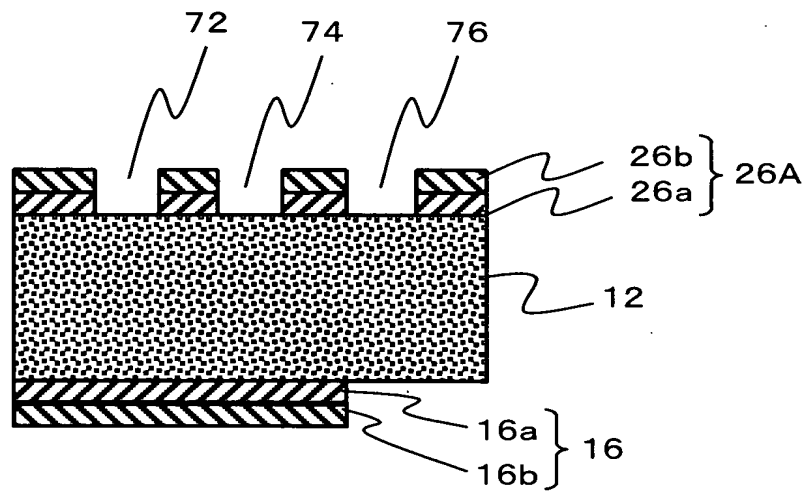


Fig. 19B



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Fig. 20A

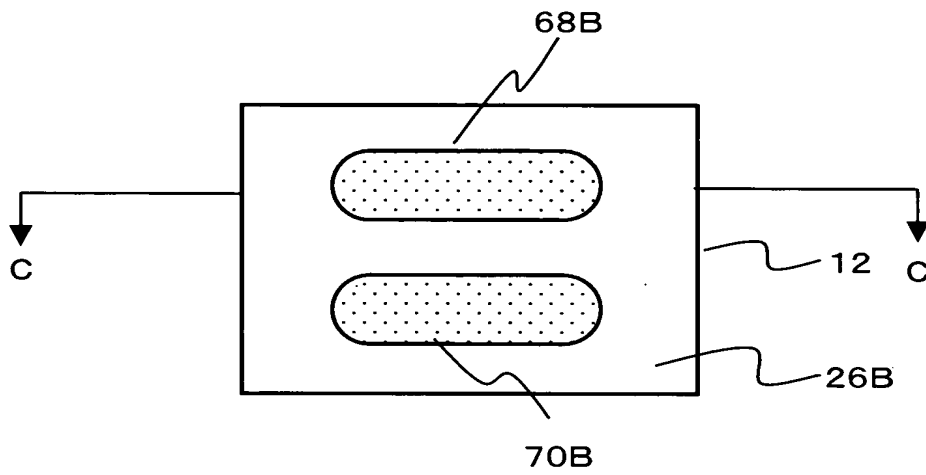
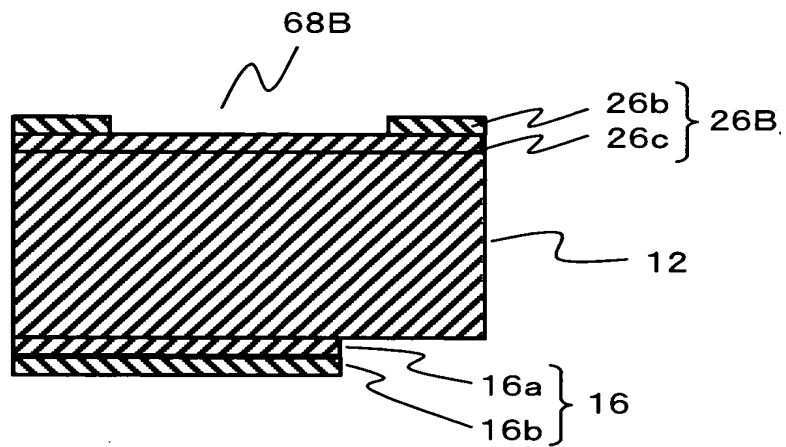


Fig. 20B



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Fig. 21A

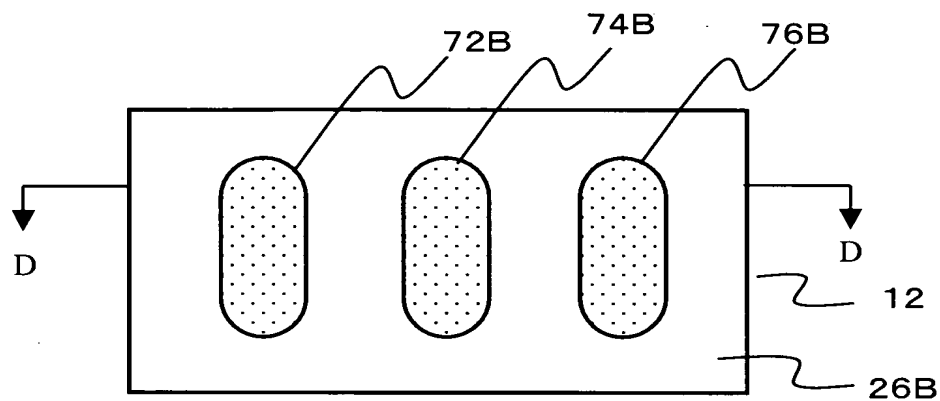
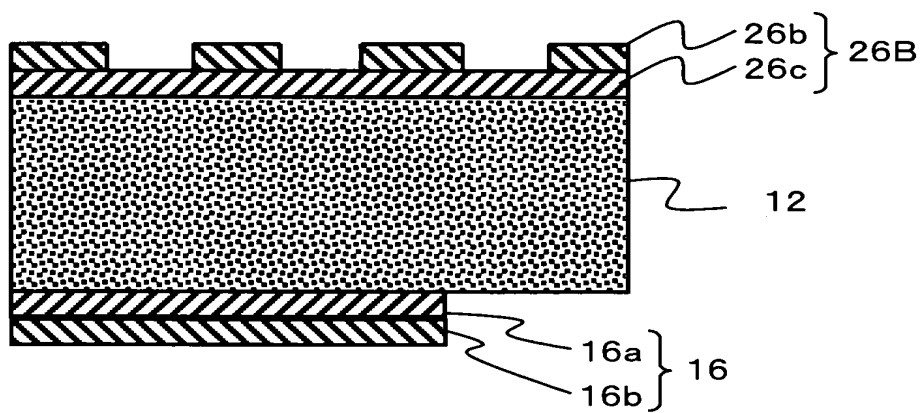


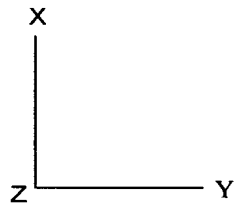
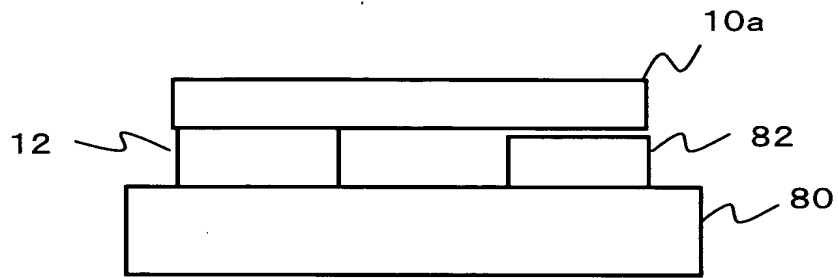
Fig. 21B





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Fig. 22



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Fig. 23

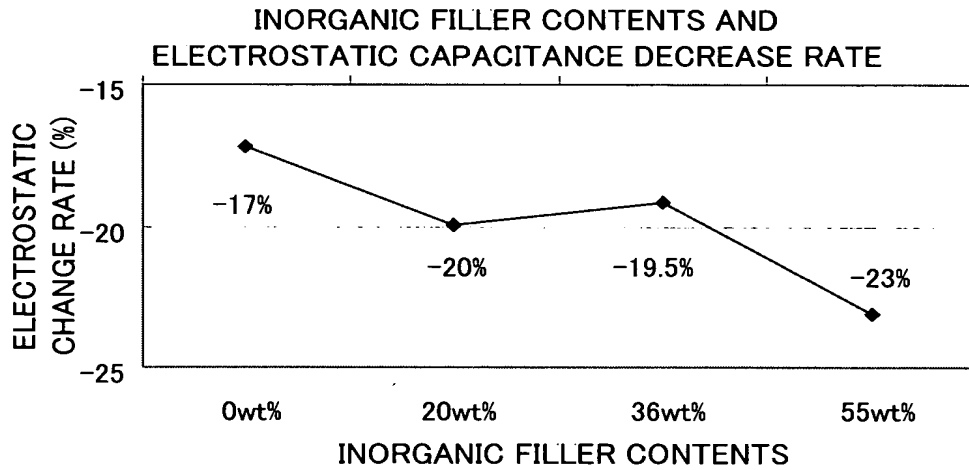


Fig. 24A

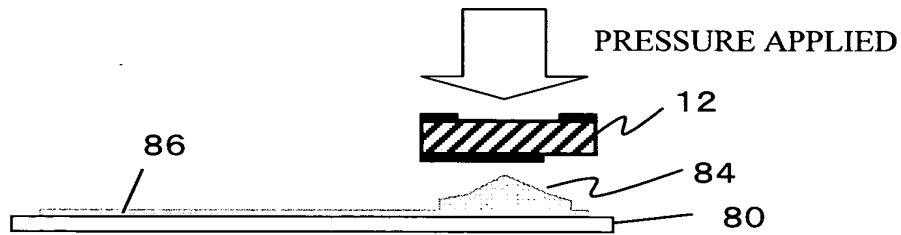


Fig. 24B

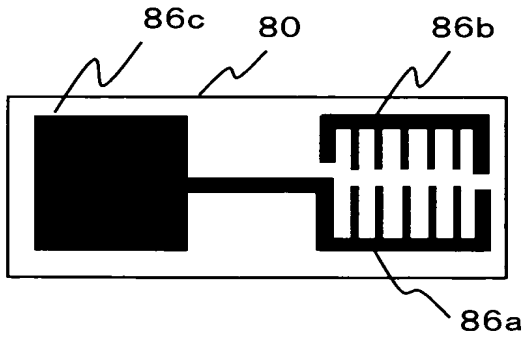


Fig. 24C

